

10-21-2010 (DRAFT)

US2: Everett Port/Naval Station to SR 9 Corridor Planning Study

Bottleneck Location / Congested Area Highlights

	AM	PM
Existing	- US 2 WB	- I-5 NB south of US 2 EB off ramp
2020 Build Tolloed		- I-5 NB South of 41st St - I-5 NB between US 2 on ramp and Marine View Dr off ramp
2040 Baseline w/ BAT/HOV lane on 20th St	- SR 204 / US 2 WB - 20th St WB	N/A
2040 Baseline w/o BAT/HOV lane on 20th St	- SR 204 / US 2 WB - 20th St WB	- I-5 NB south of US 2 EB off ramp
2040 Build Tolloed		- I-5 NB South of 41st St - I-5 NB between US 2 on ramp and Marine View Dr off ramp - US 2 WB merge to I-5 NB

10-21-2010 (DRAFT)

US2: Everett Port/Naval Station to SR 9 Corridor Planning Study

US 2: Everett Port / Naval Station to SR 9 Corridor Planning Study

Improvement Options:

2020 and 2040 Baseline ITS / Intermediate Option includes:

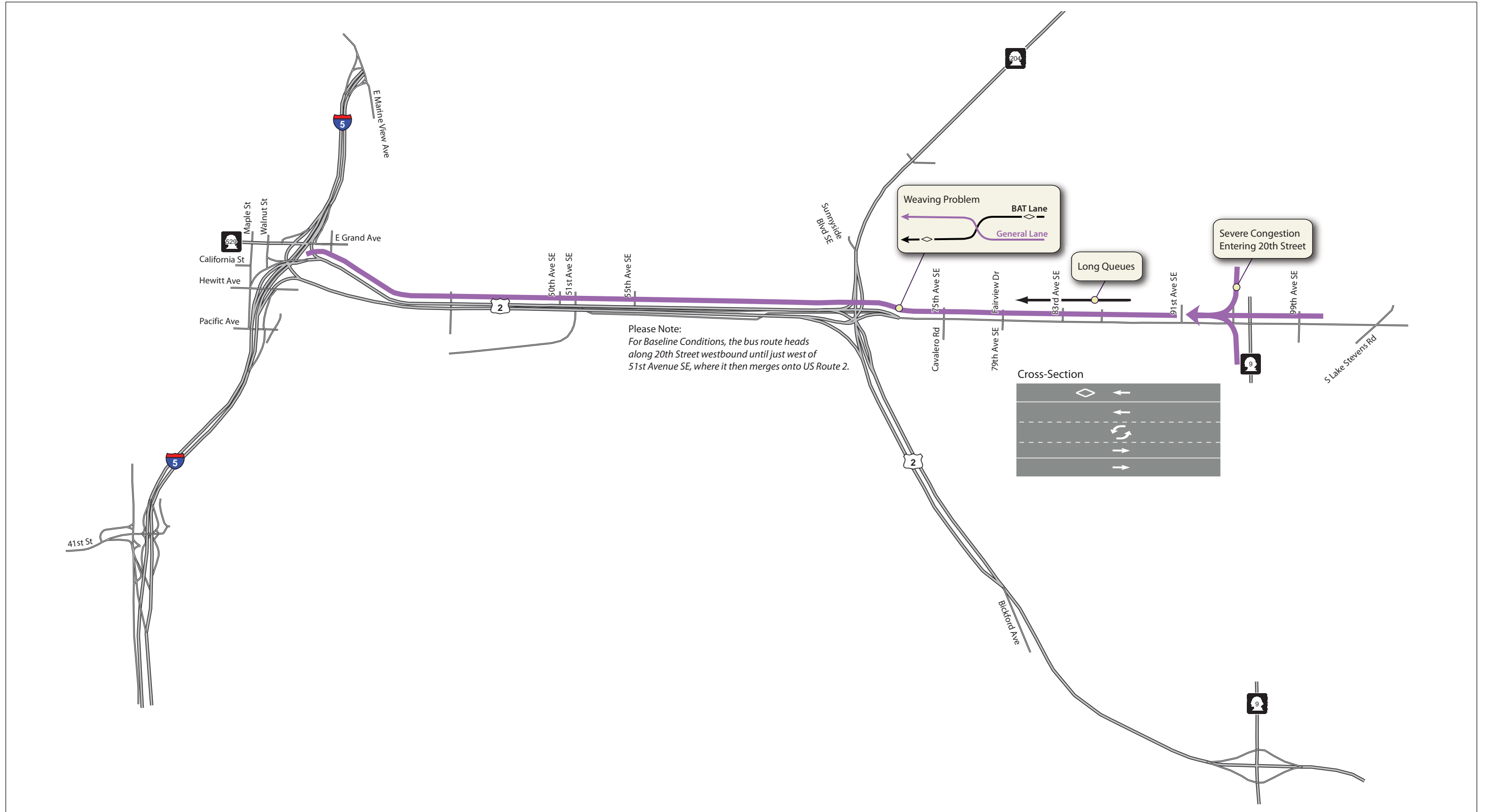
- Improve Pedestrian/Bike access across the trestle
- I-5 within the study area – ATM Lane control
- **With and Without** 20th Street BAT lane - WB direction; AM peak only; starting from 91st Street
- US 2 EB hard shoulder running for both AM and PM peak
- Simulate transit from 20th Street to US 2 WB only in simulation model
- 20th Street (Ebey Island) – Transit/HOV bypass in baseline – WB only
- I-5: US 2 to SR 528 – HOV/HOT lanes operating in 2040 (hard shoulder running for 2020 analysis)-Baseline assumption

2020 and 2040 Widening Option (Alternative 1) without Tolls includes:

- US 2 WB: Rebuild I-5 to SR 204 – Widen to 3 lanes (only WB)
- Ramp braiding for 41st Street NB ramp to I-5; also to US 2 and Pacific Avenue
- Pedestrian/Bike access across the trestle

2020 and 2040 Widening Option (Alternative 2) with Tolls includes:

- US 2 WB: Rebuild I-5 to SR 204 – Widen to 3 lanes (only WB)
- Ramp braiding for 41st Street NB ramp to I-5; also to US 2 and Pacific Avenue
- Pedestrian/Bike access across the trestle
- System wide tolling including US 2 in 2040





US-2 Westbound & I-5 Southbound	AM		PM	
	Travel Time (min:sec)	Average Speed (mph)	Travel Time (min:sec)	Average Speed (mph)
Existing Conditions	06:51	35.6	05:41	42.7
2020 Baseline	08:29	28.7	05:45	42.2
2020 Build - No Toll	10:24	23.4	05:44	42.4
2020 Build - Tolloed	09:34	25.4	05:37	43.2
2040 Baseline without BAT/HOV Lane on 20th	14:43	16.5	06:05	39.9
2040 Build - No Toll	07:40	31.8	07:10	34.2
2040 Build - Tolloed	08:19	29.2	06:32	37.5

I-5 Northbound & US-2 Eastbound	AM		PM	
	Travel Time (min:sec)	Average Speed (mph)	Travel Time (min:sec)	Average Speed (mph)
Existing Conditions	05:16	44.9	08:29	28.0
2020 Baseline	05:19	44.6	11:00	21.6
2020 Build - No Toll	05:39	42.0	07:50	30.3
2020 Build - Tolloed	05:38	42.0	08:05	29.3
2040 Baseline without BAT/HOV Lane on 20th	05:26	43.6	11:24	20.8
2040 Build - No Toll	05:38	42.1	07:46	30.5
2040 Build - Tolloed	05:37	42.2	08:01	29.6

